Express Mail Label No.: EV465102228US
Date of Deposit: October 3, 2005

Attorney Docket No. 18133-102

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Christian L. Kuiawa et al.
Serial No.:	09/927,822
Filed:	August 10, 2001
For:	UNINTERRUPTIBLE POWER SUPPLY (UPS) DEVICES MONITORING SYSTEM
Examiner:	Ryan T. Pitaro
Art Unit:	2174

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO FINAL OFFICE ACTION DATED JUNE 1, 2005

Sir:

Responsive to the Office Action dated June 1, 2005 please amend the application as follows.

Amendments to the claims are provided in the list of claims beginning on page 2 of this Response.

Remarks begin on page 6 of this Response.

List of Claims:

1. Canceled.

2. (Currently Amended) In a system coupled to a plurality of uninterruptible power supply (UPS) devices, which are being monitored by the system, the system including a display, a method of monitoring diagnosed states of the UPS devices comprising:

displaying a monitoring icon with a normal indication if each ~~UPS~~ operating characteristic, of the UPS devices, being monitored by the system is diagnosed to be in a normal state; and

displaying the monitoring icon with an abnormal indication if at least one of the UPS operating characteristics ~~devices~~ being monitored by the system is diagnosed to be in an abnormal state.

3. (Previously Presented) The method as recited in claim 2, further comprising:

diagnosing the abnormal state of the at least one UPS device as one of multiple levels of abnormal states;

associating each level of abnormal state with a different abnormal indication; and

displaying the monitoring icon with the abnormal indication associated with the diagnosed level of abnormal state of the UPS device.

4. (Previously Presented) The method as recited in claim 3 further comprising:

prioritizing the multiple levels of the abnormal states; and

displaying the monitoring icon with the abnormal indication associated with a first level of priority when a first UPS device of the UPS devices is at the first level of priority and a second UPS device of the UPS devices is at a second level of priority lower than the first level.

5. (Previously Presented) The method as recited in claim 4, further comprising:

opening a dialog window when the monitoring icon is selected; and

displaying in the dialog window a list of at least a portion of the UPS devices being monitored and corresponding states of at least some of the UPS devices on the list.

6. (Previously Presented) The method as recited in claim 5, further comprising:

receiving an input selecting a UPS device from the list;

displaying a menu upon selection of a UPS device from the list, the menu comprising at least one UPS management function;

receiving an input selecting a UPS management function from the menu; and

causing the UPS management function to be performed on the selected UPS device.

7. (Previously Presented) The method as recited in claim 6, further comprising:

opening a status window; and

displaying in the status window at least one event associated with the state of a UPS device when the UPS device is selected from the list of UPS devices.

8. (Previously Presented) The method as recited in claim 7, further comprising:

displaying a selectable power event analysis icon; and

displaying a power event analysis of a UPS device selected from the list of UPS devices when the power event analysis icon is selected.

9. (Previously Presented) The method as recited in claim 8, further comprising:

displaying a selectable voltage analysis icon; and

displaying a voltage analysis of a UPS device selected from the list of UPS devices when the voltage analysis icon is selected.

10. (Currently Amended) A system for monitoring states of a plurality of uninterruptible power supply (UPS) devices, the plurality of UPS devices being ~~that are~~ in operable communication with the system, the system comprising:

a display;

a processor in operable communication with the display, the processor being configured to generate a monitoring symbol having a first indicator on the display if each ~~UPS~~ operating characteristic, of the UPS devices, being monitored is in a first state and a monitoring symbol having a second indicator if at least one of the ~~UPS~~ operating characteristics ~~devices~~ being monitored is in a second state.

11. (Previously Presented) The system as in claim 10, wherein

the processor is further configured to identify the second state of the UPS device as one of multiple second state levels, each level associated with a unique respective third indicator, wherein if at least one of the UPS devices being monitored is in a second state, the processor generates at the display the monitoring symbol having the third indicator that is associated with the level of second state of the UPS device.

12. (Previously Presented) The system as in claim 11, wherein the processor is further configured to prioritize the multiple second state levels and to generate at the display a monitoring symbol having a third indicator that is associated with the higher priority level when one UPS device is at one level of second state priority and another UPS device is at a different level of second state priority.

13. (Previously Presented) The system as in claim 12, wherein the processor is configured to open a dialog window on the display when the monitoring symbol is selected and to display in the dialog window a list of UPS devices being monitored and a corresponding state of at least a portion of the UPS devices on the list of UPS devices.

14. (Previously Presented) The system as in claim 13, wherein the processor is further configured to open a status window in the display and to display in the status window at least one event associated with the state of a UPS device when the UPS device is selected from the list of UPS devices.

15. (Previously Presented) The system as in claim 14, wherein the processor is further configured to display a selectable power event analysis symbol on the display and to display a power event analysis of a UPS device selected from the list of UPS devices when the power event analysis symbol is selected.

16. (Previously Presented) The system as in claim 15, wherein the processor is further configured to display a selectable voltage analysis symbol on the display and to display a voltage analysis of a UPS device selected from the list of UPS devices when the voltage analysis symbol is selected.

17. (Currently Amended) A system for monitoring diagnosed states of uninterruptible power supply (UPS) devices, the UPS devices being ~~that are~~ operably coupled to the system, the system comprising:

means for generating and displaying a monitoring icon with a normal indication if each operating characteristic, of the UPS devices, coupled to the system is diagnosed to be in a normal state and;

means for generating and displaying a monitoring icon with an abnormal indication if at least one of the operating characteristics of at least one of the UPS devices coupled to the system is diagnosed to be in an abnormal state.

18. (Previously Presented) The system of claim 16 further comprising means for diagnosing the state of a UPS device operably coupled to the system.

19-21. Canceled.

REMARKS

In response to the Office Action dated June 1, 2005, Applicants respectfully request reconsideration.

Claims 2-4, 10-12, and 17 stand rejected under 35 U.S.C. § 103(a) over U.S. 5,751,965 (Mayo) and the background of Applicants' specification (the Background). Applicants respectfully assert that these claims are patentable over Mayo and the Background.

Mayo does not teach, disclose, suggest, or make obvious at least displaying an indication of operating characteristics of UPS devices as recited in independent claim 2. Mayo discusses providing representations of connections or other relationships between devices within a communication network. (Mayo, col. 4, ll. 39-42)(emphasis added). While the Examiner cited Col. 7, ll. 5-29 of Mayo as teaching monitoring the devices, this text does not discuss displaying an icon indicative of whether monitored operating characteristics are in a normal state, rather Mayo discusses representing the condition of devices regarding the data flow between the devices. (Mayo, col. 7, ll. 25-29)(emphasis added). Independent claim 2, however, recites a method, in a system, that includes displaying a monitoring icon with a normal indication if each operating characteristic, of UPS devices, being monitored by the system is diagnosed to be in a normal state, and displaying the monitoring icon with an abnormal indication if at least one of the UPS operating characteristics being monitored by the system is diagnosed to be in an abnormal state. For at least these reasons, independent claim 2 is patentable over Mayo and the Background. Claims 3 and 4, that depend directly and indirectly, respectively, from claim 2, are patentable for at least the same reasons that claim 2 is patentable over Mayo and the Background.

Mayo further fails to teach, disclose, suggest, or make obvious a processor in operable communication with a display as recited in claim 10. Mayo discusses providing representations of connections or other relationships between devices within a communication network (Mayo, col. 4, ll. 39-42)(emphasis added) by monitoring the status of the physical devices. Mayo, however, does not teach, disclose, suggest, or make obvious independent claim 10, which recites a system for monitoring states of UPSs, the UPSs being in operable communication with the system, the system including a processor configured to generate a monitoring symbol having a first indicator if each characteristic, of the UPS devices, being monitored is in a first state and a monitoring symbol having a second indicator if at least one of the operating characteristics being

monitored is in a second state. Thus, independent claim 10 is patentable over Mayo for at least the reasons stated above.

Claims 11 and 12 that depend directly and indirectly, respectively, from claim 10, are patentable for at least the same reasons that claim 10 is patentable over Mayo and the Background.

Mayo further fails to teach, disclose, suggest, or make obvious a means for generating and displaying a monitoring icon as recited in claim 17. Mayo discusses providing representations of connections or other relationships between devices within a communication network (Mayo, col. 4, ll. 39-42)(emphasis added) by monitoring the status of the physical devices. Mayo fails to teach, disclose, suggest, or make obvious independent claim 17, which recites a system for monitoring diagnosed states of UPS devices being operably coupled to the system, including means for generating an icon with a normal indication if each of the operating characteristics, of the UPS devices, coupled to the system is diagnosed to be in a normal state, and means for generating and displaying a monitoring icon with an abnormal indication if at least one of the operating characteristics of at least one of the UPS devices coupled to the system is diagnosed to be in an abnormal state. Thus, independent claim 17 is patentable over Mayo for at least the reasons stated above.

Claims 5-7, and 13-14 stand rejected under 35 U.S.C. § 103(a) over Mayo, the Background, and U.S. 6,456,306 (Chin). Applicants respectfully assert that these claims are patentable over Mayo, the Background, and Chin. The Examiner did not assert that Chin makes up for the deficiencies noted above with respect to independent claims 2 and 10 from which claims 5-7 and 13-14 depend, respectively, and thus these claims are patentable for at least the reasons discussed above.

Claims 8-9, 15-16, and 18 stand rejected under 35 U.S.C. § 103(a) over Mayo, the Background, Chin, and U.S. 5,825,656 (Moore). Applicants respectfully assert that these claims are patentable over Mayo, the Background, Chin, and Moore. The Examiner did not assert that Moore makes up for the deficiencies noted above with respect to claims 2 or 10, and thus claims 8-9, that depend indirectly from claim 2, and claims 15-16, and 18 that depend indirectly from claim 10 are patentable for at least the reasons discussed above with respect to claims 2 and 10.

Based on the foregoing, this application is believed to be in allowable condition, and a notice to that effect is respectfully requested.

If a telephone conversation with Applicants' attorney would help expedite the prosecution of this application, the Examiner is invited to call the undersigned Attorney at (617) 542-6000.

A petition for extension of time, Notice of Appeal, and the corresponding fees accompany this response. The Commissioner is authorized to charge any additional fees that may be due, including a fee for extension of time, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311, Reference No. 18133-102.

Respectfully submitted,

Shane H. Hunter, Reg. No. 41,858
Attorney for Applicants
Mintz, Levin, Cohn, Ferris,
Glovsky and Popeo, P.C.
One Financial Center
Boston, Massachusetts 02111
Telephone: (617) 542-5000
Facsimile: (617) 542-2241
Customer No. 30623

Date: October 3, 2005

TRA 2066961v.2